

IN THE CLAIMS

All claims are reproduced below.

1. (Original) A system for presenting information regarding products and services via a network of computers, the system comprising: a plurality of market databases registered with a cooperative communications network, an analytical agent for mining data related to a selected item from at least one of said plurality of market databases, said analytical agent further for generating a subset of data that most closely meets a preprogrammed goal, at least one of a seller's inter-agents in communication with said analytical agent for receiving said subset of data,

said at least one of a seller's inter-agents for generating at least one showcase database based on said subset of data responsive to a set of seller's sales objectives, each showcase registered with a cooperative communications network, and a user interface for displaying information derived from said showcase database.

2. (Original) The system of claim 1, wherein:

said plurality of market databases are commonly related to an industry.

3. (Original) The system of claim 1, wherein:

said mining data comprises constantly monitoring said plurality of market databases, and generating an updated subset of data responsive to any change in said market databases.

4. (Original) The system of claim 3, wherein:

said at least one seller's inter-agent regenerates said at least one showcase database in response to said updated subset of data.

5. (Original) The system of claim 1, further comprising:

a plurality of showcase databases commonly related to an industry.

6. (Original) The system of claim 1, wherein:

said showcase databases are registered with a UDDI register.

7. (Original) The system of claim 6, wherein:

said showcase databases employ a common extensible markup language.

8. (Original) The system for presenting information regarding products and services of claim 1, further comprising:

at least one buyer's intelligent negotiation agent for receiving information from said showcase database regarding said selected item.

9. (Original) The system for presenting information regarding products and services of claim 1, further comprising:

at least one buyer's commercial search agent for searching said at least one showcase databases for information regarding said selected item.

10. (Original) The system for presenting information regarding products and services of claim 1, further comprising:

at least one buyer's intelligent negotiation agent, and at least one intelligent seller's negotiation agent in communication with said at least one buyer's intelligent negotiation agent, wherein when said at least one buyer's intelligent negotiation agent requests a bid for sale of said selected item, at least two of said seller's intelligent negotiation agents submit that bid to said at least one buyer's intelligent negotiation agent.

11. (Original) The system for presenting information regarding products and services of claim 1, wherein:

said preprogrammed goal comprises a set of buyer's specifications for a selected item, said item being one of a plurality of individual product items and individual service items.

12. (Original) The system for presenting information regarding products and services of claim 1, wherein:

said preprogrammed goal comprises a set of seller's sales objectives.

13. (Original) The system for presenting information regarding products and services of claim 1, wherein:

said analysis is performed by selecting one of a plurality of evolutionary computation resources.

14. (Original) The system for presenting information regarding products and services of claim 13, wherein:

said plurality of evolutionary computation resources comprises genetic algorithms.

15. (Original) The system for presenting information regarding products and services of claim 13, wherein:

said plurality of evolutionary computation resources comprises genetic programming.

16. (Original) The system for presenting information regarding products and services of claim 13, wherein:

said plurality of evolutionary computation resources comprises neural networks.

17. (Original) The system for presenting information regarding products and services of claim 1, wherein:

said analytical agent constantly monitors said market data and generates said subset of data anew for any change in said market data, said seller's inter-agent generates said showcase database responsive to any change in said subset of data.

18. (Original) The system of claim 1, wherein:

said showcase database includes a discounted price for said selected item.

19. (Original) The system of claim 1, wherein:
said showcase database includes an option to upgrade features of said selected item.
20. (Original) The system of claim 1, wherein:
said showcase database includes an option to include additional services related to said selected item.
21. (Original) The system of claim 1, wherein:
said showcase database includes a quantity price discount for said selected item.
22. (Original) The system of claim 1, wherein:
said showcase database includes financing for procurement of said selected item.
23. (Original) The system of claim 1, wherein:
said showcase database includes warranties.
24. (Original) The system of claim 1, wherein:
said showcase database includes insurance.
25. (Original) The system of claim 1, wherein:
said showcase database includes a proximity marketing discount.
26. (Original) The system of claim 1, wherein:
said showcase database includes a yield management promotion.
27. (Original) The system of claim 1, further comprising:

a plurality of showcase databases registered with a cooperative communications network for a common sales objective, and each of said plurality of showcase databases having a data set dedicated to said common sales objective.

28. (Original) The system of claim 17, wherein:
said showcase database comprises an object relational database.

29. (Original) A method for presenting information regarding products and services via a network of computers, the method comprising:

identifying a selected item, said item comprising one of a product or service,
mining data related to said selected item from at least one of a plurality of market databases, each of said market databases registered with a cooperative communications network related to said selected item, invoking an intelligent analytical agent to analyze said data against a
preprogrammed goal to generate a subset of data that most closely meets said goal,
receiving said subset of data, generating a showcase database responsive to a set of seller's sales objectives, and displaying information derived from said showcase database on a user interface.

30. (Original) A method for creating a seller's showcase database which is accessible over a network of computers, the method comprising:

obtaining market data related to a selected item from a market, said item being one of a product item or service item, analyzing said market data for conformity to a set of seller's sales objectives, and filtering said market data to create a seller showcase database reflecting the most favorable terms for sale of said selected item by said seller given said market data.

31. (Original) The method for creating a seller's showcase database of claim 30, further comprising:
constantly updating said seller showcase database with each change in said

market data.

32. (Original) The method for creating a seller's showcase database of claim 12, further comprising:

accessing said market data from at least one of a plurality of vendor databases registered with a cooperative communications network,
mining said market data for conformity with a set of parameters related to said item.

33. (Original) A system for configuring a seller's showcase in a distributed computing system, the system comprising:

a plurality of seller showcase databases, said showcase databases communicating in a distributed computing system,
at least one seller's intelligent inter-agent for receiving and analyzing market data related to a selected item, said item comprising one of a product or service, said inter-agent for generating a configured subset of data for transmission to one of said plurality of showcase databases,
said one showcase database for receiving said configured subset of data.

34. (Original) The system for configuring a seller's showcase of claim 33, wherein:
said subset of data is filtered for inclusion in said showcase database by selecting said data to optimally satisfy a set of seller's sales objectives.

35. (Original) The system of claim 33, wherein:
said inter-agent for reconfiguring said subset of data in response to any change in market data and for transmission of said reconfigured subset of data to said showcase database, and
said showcase for receiving said reconfigured subset of data.

36. (Original) The system for configuring a seller's showcase of claim 33, further comprising:

an analytical agent for mining said market data from a market, said analytical agent in communication with said seller's intelligent inter-agent.

37. (Original) The system for configuring a seller's showcase of claim 33, further comprising:

said showcase database including at least one contract contingency authorizing a seller to pay a buyer a penalty if said seller elects to sell said selected item to another buyer.

38. (Original) The system for configuring a seller's showcase of claim 33, further comprising:

an analytical agent for mining said market data from a market, said analytical agent in communication with at least one of said plurality of seller showcase databases.

39. (Original) A method for configuring a seller's showcase in a distributed computing system, the method comprising:

receiving market data related to a selected item, said item comprising one of a product item or service item,
instructing a seller's intelligent inter-agent to analyze said market data,
generating a configured subset of data based on said analysis, and
generating one of a plurality of seller's showcase databases, said showcase database including said configured subset of data.

40. (Original) The method of claim 39, further comprising:

reconfiguring said subset of data in response to any change in market data,
transmitting said reconfigured subset of data to said showcase database, and
replacing said subset of data by with said reconfigured subset of data such that said showcase database is updated in response to changes in market data.

41. (Original) A system for analysis of data, said data resident in a distributed computing network of sellers' commercial databases, the system comprising:

at least one of a plurality of intelligent analytical agents, said analytical agent for mining data related to a selected item from at least one of a plurality of market databases, said item one of a product item or service item, and said analytical agent for generating a subset of data that most closely meets a goal.

42. (Original) The system for analysis of data of claim 1, further comprising: said analytical agent for generating a report on said subset of data.

43. (Original) The system for analysis of data of claim 1, further comprising: said analytical agent for synthesizing said data to develop a specific entity profile.

44. (Original) The system for analysis of claim 41, wherein: said analysis is performed using case-based reasoning.

45. (Original) The system for analysis of claim 41, wherein: said analysis is performed using rule-based reasoning.

46. (Original) The system for analysis of claim 41, wherein: said analysis is performed using neural networks

47. (Canceled).

48. (Original) The system for data analysis of claim 41, wherein: said analysis is performed using genetic programming.

49. (Original) The system for analysis of data of claim 41, further comprising: a suite of artificial intelligence program resources, said suite of resources accessible by said intelligent analytical agent, and

wherein said analytical agent selects one of said plurality of artificial intelligence resources for optimal performance of a computation.

50. (Original) The system for analysis of data of claim 49, wherein: said suite of artificial intelligence program resources comprises genetic programming.

51. (Original) The system for analysis of data of claim 49, wherein: said suite of artificial intelligence program resources comprises genetic algorithms.

52. (Original) The system for analysis of data of claim 49, wherein: said suite of artificial intelligence program resources comprises neural networks.

53. (Original) A method for analyzing data resident in a distributed computing network of sellers' commercial databases, the method comprising:
mining data related to a selected item from a distributed computing network of sellers' commercial databases, and generating a subset of data that most closely meets a goal.

54. (Original) The method for analyzing data of claim 53, further comprising: generating a report on said subset of data.

55. (Original) The method for analyzing data of claim 53, further comprising: synthesizing said data to develop a specific entity profile.

56. (Original) The method for analyzing data of claim 53, wherein: said analysis is performed using neural networks.

57. (Canceled).

58. (Original) The method for analyzing data of claim 53, wherein:
said analysis is performed using genetic programming.

59. (Original) The system for procurement of claim 1, wherein:
said at least one showcase database is configured according to item price.

60. (Original) The system for procurement of claim 1, wherein:
said at least one showcase database is configured according to item location.

61. (Original) The system for procurement of claim 1, wherein:
said at least one showcase database is configured according to item niche.

62. (Original) The system for procurement of claim 1, wherein:
said at least one showcase database is configured according to item availability.

63. (Original) The system for procurement of claim 1, wherein:
said at least one showcase database is configured according to availability of
items in bundles.

64. (Original) The system for procurement of claim 1, wherein:
said at least one showcase database is configured according to accountability of
seller.

65. (Original) The system for procurement of claim 1, wherein:
said at least one showcase database is configured according to seller experience.

66. (Original) The system for procurement of claim 1, wherein:
said at least one showcase databases includes a contract contingency authorizing a seller
to pay a buyer a penalty if said seller elects to sell said selected item to another
than said buyer.

67. (Original) The system for procurement of claim 66, wherein:
said mining data comprises constantly monitoring said plurality of market databases, and
generating an updated subset of data responsive to any change in said market
databases.

68. (Original) A computer program product comprising a machine readable medium on
which is provided program instructions for performing a method for presenting information
regarding products and services via a network of computers using computers that communicate
over a network, the program instructions comprising:

program code for identifying a selected item, said item comprising one of a product or
service, program code for mining data related to said selected item from at least
one of a plurality of market databases, each of said market databases registered
with a cooperative communications network related to said selected item, program
code for invoking an intelligent analytical agent to analyze said data against a
preprogrammed goal to generate a subset of data that most closely meets said
goal, program code for receiving said subset of data,
program code for generating a showcase database responsive to a set of seller's
sales objectives, and displaying information derived from said showcase database on a
user interface.

69. (Original) A system for automated collaborative filtering using a computer that
communicates over a distributed network, the system comprising:

at least one seller's analytical agent, at least one buyer's commercial search agent in
communication with said seller's analytical agent, wherein, when said commercial
search agent transmits to said at least one seller's analytical agent a request by a
buyer for information on a selected item, said item one of a plurality of product
items and service items, said seller's analytical agent mines data related to said
selected item from at least one of a plurality of market databases, filters said data
against a profile of said buyer to prepare a list of at least one of a plurality of

recommended items, and transmits to said buyer's commercial search agent said list of recommended items.

70. (Original) The system of claim 69, wherein:
said filters said data comprises ranking each of said at least one of a plurality of recommended items consistent with said buyer's profile.

71. (Original) The system of claim 69, wherein:
said filters said data comprises filtering by item type.

72. (Original) The system of claim 69, wherein:
said filters said data comprises filtering by item popularity.

73. (Original) The system of claim 69, wherein:
said filters said data comprises filtering by buyer's region.

74. (Original) The system of claim 69, wherein:
said filters said data comprises filtering by item quality.

75. (Original) The system of claim 69, wherein:
said filters said data comprises filtering by available services related to said item.

76. (Original) The system of claim 69, wherein:
said filters said data comprises filtering by potential for combining said item with other items to create a bundle.

77. (Original) The system of claim 69, wherein:
said filters said data comprises filtering by quantity of said items available.

78. (Original) The system of claim 69, wherein:

said filters said data comprises filtering by item price.

79. (Original) A method for automated collaborative filtering using computers that communicate over a distributed network, the method comprising:
transmitting from an automated commercial search agent to said at least one seller's analytical agent a request by a buyer for information on a selected item, said selected item one of a plurality of individual product items and individual service items, said seller's analytical agent mining data related to said selected item from at least one of a plurality of market databases, said seller's analytical agent filtering said data against a profile of said buyer, said seller's analytical agent preparing a list of at least one of a plurality of recommended items, and transmitting from said seller's analytical agent to said buyer's commercial search agent said list of recommended items.

80. (Original) The method of claim 79, further comprising:
ranking each of said recommended items according to a buyer's profile.

81. (Original) The method of claim 79, further comprising:
filtering said data by item type.

82. (Original) The method of claim 79, further comprising:
filtering said data by item popularity.

83. (Original) The method of claim 79, further comprising:
filtering said data by buyer's region.

84. (Original) The method of claim 79, further comprising:
filtering said by item quality.

85. (Original) The method of claim 79, further comprising:

filtering said data by available services related to said item.

86. (Original) The method of claim 79, further comprising:
filtering said data by potential for combining said item with other items to create a
bundle.

87. (Original) The method of claim 79, further comprising:
filtering said data by quantity of said items available.

88. (Original) The method of claim 79, further comprising:
comprises filtering said data by item price.

89. (Original) The system of claim 1, further comprising:
a buyer's intelligent agent for receiving information regarding at least one selected item
from at least one of a plurality of seller's inter-agents and for sending information
regarding said selected item to said least one seller's inter-agents, said selected
item being one of a group of individual product items and individual service
items, at least one buyer's input device in communication with said buyer's inter-
agent, said buyer's input device for identifying a list of at least two sellers of said
selected item, said at least one of a plurality of seller's inter-agents for receiving
information regarding said selected item from said buyer's inter-agent and for
sending information regarding said selected item to said buyer's inter-agent, each
of said plurality of sellers' agents representing a seller of said selected item, and
wherein, when said list of sellers is received by said buyer's inter-agent, said
buyer's inter-agent and said seller's inter-agents representing said at least two
sellers engage in an exchange of information regarding said selected item.

90. (Original) The system for exchanging information of claim 89, wherein:
said at least one of a plurality of seller's intelligent agents comprises at least two of said
plurality of seller's intelligent agents.

91. (Original) The system for exchanging information of claim 89, wherein: said buyer's inter-agent transmits a list of buyer's minimally acceptable specifications to said seller's intelligent agents, and said seller's intelligent agents transmit responses to said buyer's inter-agent stating the availability of said selected item with said buyer's minimally acceptable specifications from the sellers represented by said seller's intelligent agents.

92. (Original) The system for exchanging information of claim 91, wherein: said at least one showcase database comprising said list of buyer's minimally acceptable specifications.

93. (Original) A system for presenting information regarding products and services via a network of computers, the system comprising:
a plurality of market databases, at least one seller's inter-agent for mining data related to a selected item from at least one of said plurality of market databases, said at least one seller's inter-agent further for generating a subset of data that most closely meets a preprogrammed goal, at least one showcase database in communication with said seller's inter-agent, said at least one showcase database including said subset of data, said showcase database further configured to satisfy a set of seller's sales objectives, and a user interface in communication with said showcase database for displaying information derived from said showcase database.

94. (Original) The system of claim 93, wherein:
said at least one showcase database comprises a plurality of showcase databases, the system further comprising a cooperative communications network including said plurality of showcase databases, said plurality of showcase databases commonly related to an industry.

95. (Original) The system of claim 1, wherein:

said at least one showcase database comprises a plurality of showcase databases, the system further comprising a cooperative communications network including said plurality of showcase databases, said plurality of showcase databases commonly related to an industry.